

Section 2. Form PTO - 1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(c nt. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/CKW/	4,428,941	01/84	GALIBERT ET AL.	C07C	103/52	
	4,920,209	04/90	DAVIS ET AL.	C12N	7/00	06/04/87
	4,940,835	07/10/90	SHAH, ET AL.	900	205	07/07/85
	4,956,282	09/11/90	GOODMAN ET AL.	435	59.51	
	5,324,646	06/94	BUSING ET AL.	C12N	15/00	01/05/92
	5,316,931	05/94	DONSON ET AL.	C12N	15/83	07/31/92
	5,484,719	01/16/96	LAM ET AL.	435	172.3	
	5,654,184	08/05/97	CURTISS	435	172.3	
	5,679,880	10/21/97	CURTISS	800	205	
/CKW/	5,686,079	11/11/97	CURTISS	424	234.1	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

/CKW/	DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 87/00865	02/12/87	PCT	C12P	21/00		
	EP 0 235 391A	09/09/87	EPO	C07K	18/00		
	EP 0 278 541	01/14/88	EPO	C12	15/00		
	WO 89 01514 A	02/23/89	PCT	CN12	15/00		
	WO 90/02484	03/22/90	PCT	A01H5	00		
	WO 90/10076	09/07/90	PCT	C12N	15/82		
	A-O 510 778 A1	04/22/92	EPO	C12N	15/50		
	WO 92 18618 A	10/29/92	PCT	C12N	7/01		
	WO 93/23421	11/25/93	PCT	C07K	8/00		
	WO 94/20185	09/15/94	PCT	A61K	39/00		
	WO 95 21248 A	08/10/95	PCT	C12N	15/00		
	WO 96 12801 A	05/02/96	PCT	C12N	15/00		
/CKW/	WO 96 02649 A	02/01/96	PCT	C12N	15/40		

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/	Alzpurua, H.J., de, Russell-Jones, G.J., "Oral Vaccination Identification of Classes of Proteins that Provoke an Immune Response upon Oral Feeding," <i>J. Exp. Med.</i> , Vol. 167, pp. 440-451 (1988)
/CKW/	An, G., "Binary Ti Vectors for Plant Transformation and Promoter Analysis", <i>Methods in Enzymology</i> , Vol. 153, pp. 292-305, (1987)

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(cont. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

	/CKW	Arntzen, Charles et al., "Production of Candidate Oral Vaccines in Edible Tissues of Transgenic Plants", <u>Vaccines</u> , 94:229-344 (1994)
		Benfey, P.N., Chua, N.H., "Regulated Genes in Transgenic Plants", <u>Science</u> , Vol. 244, pp. 174-181 (1989)
		Bidney, D. et al., "Microprojectile bombardment of plant tissues increases transformation frequency by <i>Agrobacterium tumefaciens</i> ", <u>Plant Molecular Biology</u> , 18:301-313 (1992)
		Blair, J.G., "Test-Tube Gardens", <u>Science</u> , Vol. 82, pp. 71-73 (1982)
		Bovsun, M., "Tobacco Produces Hepatitis Antigens: Vaccines To Go Into Bananas Next", <u>Biotechnology Newswatch via NewsNet</u> , 12(24), December 21, 1992
		Brisson, N., "Plant Virus Vectors: Cauliflower Mosaic Virus", <u>Methods in Enzymology</u> , Vol. 118, Academic Press, Inc., pp. 659-668 (1986)
		Capron, A., et al., "Immunity to Schistosomes: Progress Toward Vaccine", <u>Science</u> , Vol. 238, pp. 1065-1072 (1987)
		Cattaneo, R., "Signals regulating hepatitis B surface antigen transcription", <u>Nature</u> 305:336-338 (September 1983)
		Chang, A. et al., "Characterization of a genetically reconstituted high-affinity system for serotonin transport", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 86, pp. 9611-9615 (1989)
		Christou, P., et al., "Soybean genetic engineering - commercial production of transgenic plants", <u>Trends Biotechnol.</u> , Vol. 8, pp. 145-151 (1990)
	/CKW	Clontech Laboratories, Inc., Palo Alto, California, Product Catalog, p. 18.4, (1991)

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(cont. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Coghlan, A., "When beans means vaccines", <u>New Scientist</u> , 185:1829:19, July 1992
		Dale, J. et al., "Plants Factories: Production of Industrial Proteins and Non-Food Products in Transgenic Plants", <u>Agro Food Industry Hi-Tech</u> , 4(1):6-8 (Jan/Feb 1993)
		Datta, S.K., et al., "Genetically Engineered Fertile Midica-Rice Recovered From Protoplasts", <u>Bio/Technology</u> , Vol. 8, pp. 736-740 (1990)
		Declaration Under 37 CFR § 1.131 of Charles J. Arntzen 01/10/96
		Deak, M., et al., "Transformation of Medicago by Agrobacterium Mediated Gene Transfer", <u>Plant Cell Reports</u> , Vol. 5, pp. 97-100 (1986)
		dePalma, A., "Agricultural Genetics Co., Ltd. Produces Vaccines for Animals in Cowpea Plants" <u>Genetic Engineering News</u> , 12(18):1, 15 (September 24, 1997. 1, 1992)
		DeWet, J.M.J. et al., "Exogenous gene transfer in maize (Zea mays) using DNA-treated pollen", <u>Experimental Manipulation of Ovule Tissue</u> , G.P. Chapman et al. ed., Longman, New York-London, p. 197-209 (1985)
		Dickinson, B.L. et al., "Dissociation of Escherichia coli Heat-Labile Enterotoxin Adjuvantivity from ADP-Ribosyltransferase Activity", <u>Infection and Immunity</u> , Vol. 63, No. 5, pp. 1617-1623
		Dittman, R.E., "Eradicating Disease: Trends in Vaccine Development", <u>Summer 1993 Priorities</u> , pp. 40-42
		Elliston, K. and Messing J., "The Molecular Architecture of Plant Genes and Their Regulation", <u>Plant Biotechnology</u> , Kung/Arntzen, ed., pp. 115-139 (1989)
↓ /CKW/		Fields, et al., "Virology", Raven Press, N.Y., pp. 1160-1161 and 1219-1221.

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(c nt. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Fitchen, J., "Production of Monoclonal Antibodies and Candidate Vaccines in Plants and Plant Cell Cultures", (Abstract) From Meeting of the Tissue Culture Association on Regulation of Cell and Tissue Differentiation, Research Triangle Park, North Carolina USA (June 4-7, 1994)
		Forrest, B.D., "Women, HIV, and Mucosal Immunity", <u>The Lancet</u> , Vol. 337, pp. 835-836 (1991)
		Fraley, R.T., "Genetic Engineering for Crop Improvement", <u>Plant Biotechnology</u> , Kung/Arntzen, ed., pp. 395-407 (1989)
		Frasch, A.C.C. et al., "Comparison of Genes Encoding Trypanosoma cruzi Antigens", <u>Parasitology Today</u> , Vol. 7(6), pp. 148-151 (1991)
		Fromm, M., et al., "Expression of genes transferred into monocot and dicot plant cells by electroporation", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 82, pp. 5824-5828 (1985)
		Fromm, M.E., et al., "Inheritance and Expression of Chimeric Genes in the Progeny of Transgenic Maize Plants", <u>BioTechnology</u> , Vol. 8, pp. 833-839 (1990)
		Fromm, M.E., et al., "Stable transformation of maize after gene transfer by electroporation", <u>Nature</u> , Vol. 319(27) pp. 791-793 (1986)
		Fu, Z.F. et al., "Oral vaccination of raccoons (<i>Procyon lotor</i>) with baculovirus-expressed rabies virus glycoprotein", <u>Vaccine</u> , 11(9):925-928 (1993)
		Fütterer, J., et al., "Cauliflower mosaic virus as a gene expression vector for plants", <u>Physiol. Plant</u> , Vol. 79, pp. 154-157, Copenhagen 1990
↓ /CKW/		Ganem, D. et al., "The Molecular Biology of the Hepatitis B Viruses", <u>Ann. Rev. Biochem.</u> , 56:651-693 (1987)

/Cathy Worley/

08/06/2007

Section 2. Form PTO - 1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(c nt. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Gatenby, A.A., "Regulation and Expression of Plant Genes in Microorganisms", <u>Plant Biotechnology</u> , pp. 93-112, Kung/Arntzen ed., (1989)
		Glass, R.I. et al., "Nucleotide Sequence of the Structural Glycoprotein VP7 Gene of Nebraska CalF Diarrhea Virus Rotavirus: Comparison with Homologous Genes from Four Strains of Human and Animal Rotaviruses", <u>Virology</u> , 141:292-298 (1985)
		Godet, M., et al., "Processing and Antigenicity of Entire and Anchor-Free Spike Glycoprotein S of Coronavirus TGEV Expressed by Recombinant Baculovirus", <u>Virology</u> , Vol. 185, pp. 732-740 (1991)
		Gordon-Kamm, W.J., et al., "Transformation of Maize Cells and Regeneration of Fertile Transgenic Plants", <u>The Plant Cell</u> 2:603-618 (July 1990)
		Haq, T.A. , et al., "Oral Immunization with a Recombinant Bacterial Antigen Produced in Transgenic Plants", <u>Science</u> 268:714-716 (May 5, 1995) XP002024034)
		Hess, D., "Pollen-Based Techniques in Genetic Manipulation", <u>Review of Cytology</u> , Vol. 107, pp. 367-395 (1987)
		Hinchee, M.A.W., et al., "Production of Transgenic Soybean Plants Using Agrobacterium-Mediated DNA Transfer", <u>Bio/Technology</u> , Vol. 6, pp. 915-922 (1988)
		Hoffman, L., et al., "A Modified Storage Protein in Synthesized, Processed, and Degraded in the Seeds of Transgenic Plants", <u>Plant Molecular Biology</u> , Vol. 11, pp. 717-729 (1988)
		Hoffman, L., et al., "Progress Toward Malaria Preerythrocytic Vaccines", <u>Science</u> , Vol. 252, pp. 520-521 (1991)
↓		
/CKW/		Horsch, R.B., et al., "Leaf Disc Transformation", <u>Plant Molecular Biology Manual</u> A5:1-9 (1988)

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(cont. f
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Jacobs, L. et al., "The nucleotide sequence of the peplomer gene of porcine transmissible gastroenteritis virus (TGEV): comparison with the sequence of the peplomer protein of feline infectious peritonitis virus (FIPv);, <i>Virus Research</i> 8:363-371 (1987)
		Kaslow, D.C., et al., "Induction of Plasmodium falciparum Transmission-Blocking Antibodies by Recombinant Vaccinia Virus", <i>Science</i> , 252, pp. 1310-1313 (1991)
		Khusmith, S., et al., "Protection Against Malaria by Vaccination with Sporozoite Surface Protein 2 Plus CS Protein", <i>Science</i> , 252, pp. 715-718 (1991)
		Klee, H., et al., "Agrobacterium-Mediated Plant Transformation and its Further Applications to Plant Biology", <i>Ann. Rev. Plant Physiol.</i> , 1987, 38:467-486
		Klee, H.J., et al., "Transformation of Plants by Agrobacterium Tumefaciens", <i>Cell Culture and Somatic Cell Genetics of Plants</i> , Vol. 6, Molecular Biology of Plant Nuclear Genes, pp. 2-25 (1989)
		Klein, T.M. et al., "Factors Influencing Gene Delivery into Zea Mays Cells by High-Velocity Microprojectiles", <i>Bio/Technology</i> , Vol. 6, pp. 559-563 (1988)
		Klein, T.M., et al., "Applications of the Particle Gun in Plant Biology", <i>Progress in Plant Cellular and Molecular Biology</i> , pp. 56-66
		Kovgan, A.A. Chemical Abstracts, 110:207163 (Abstract No. 207160n) "Potential Vector for Introducing Animal Virus Genes into Cells of Higher Plants", abstract of an article in <i>Biotekhnologiya</i> 5:148-54 (1989)
↓		Kupper, Hans, et al., "Cloning of cDNA of major antigen of foot and mouth disease virus and expression in E. coli", <i>Nature</i> 289:550-559 (1981)
/CKW/		Kuriyana, S., et al., "Enhancing Effects of Oral Adjuvants on Anti-HBs Responses Induced by Hepatitis B Vaccine", <i>Clin. Exp. Immunol.</i> , 72:383-389 (1988) (abstract)

/Cathy Worley/

08/06/2007

Section 2. Form PTO - 1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(cont. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Lanar, D., et al, "Identification of Paramyosin as Schistosome Antigen Recognized by Intradermally Vaccinated Mice", <u>Science</u> , 234:593-596 (1986)
		Larkins, B., et al, "Transcriptional Regulation of Maize Zein Gene", (abstract), <u>J. Cell. Biochem. Suppl. 0</u> (9 part C), p. 264 (1985)
		Laude, H., et al, "Molecular biology of transmissible gastroenteritis virus", <u>Veterinary Microbiology</u> 23:147-154 (1990)
		Liew, F.Y., ed., <u>Vaccination Strategies of Tropical Diseases</u> (1989) table of contents only
		Lubeck, M.D., "Immunogenicity and Efficacy Testing in Chimpanzees of an Oral Hepatitis B Vaccine Based on Live Recombinant Adenovirus", <u>Proc. Natl. Acad. Sci. USA</u> , 86:6763-6787 (1989) (abstract)
		Mackow, E. et al, "Immunization with Baculovirus-Expressed VP4 Protein Passively Protects against Simian and Murine Rotavirus Challenge", <u>J. of Virology</u> 64(4):1698-1703 (April 1990)
		Mackow, E. et al, "The Rhesus Rotavirus Outer Capsid Protein VP4 Functions as a Hemagglutinin and is Antigenically Conserved When Expressed by a Baculovirus Recombinant", <u>J. Virology</u> , 64(4) 1661-1668 (April 1989)
		Maloney, M.M. et al, "High efficiency transformation of Brassica napus using Agrobacterium vectors", <u>Plant Cell Reports</u> 8:238-242 (1989)
		Maniatis, T., et al, <u>Molecular Cloning. A Laboratory Manual</u> , Cold Spring Harbor (1982), p. 368-369
/CKW/		Maskell, D., et al, "Attenuated Salmonella typhimurium as Live Oral Vaccines and Carriers for Delivering Antigens to the Secretory Immune System", <u>Vaccines</u> 86, Cold Spring Harbor Lab, N.Y., pp. 215-217 (1986)

/Cathy Worley/

08/06/2007

Section 2. Form P1 - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	ATTY. DOCKET NO. P00245USE	SERIAL NO. (cont. of 09/593,908)
	APPLICANTS ARNTZEN, ET AL.	
	FILING DATE	GROUP 1641

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

/CKW/		Mason, H.S., et al., "Expression of Candidate Oral Vaccine Antigens in Transgenic Plants", <u>Journal of Cellular Biochemistry Supplement</u> , 18a:98 (1994)
		Mason, H.S. et al., "Expression of Hepatitis B Surface Antigen in Transgenic Plants", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 89, pp. 11745-11749 (1992)
		Mason, H. et al., "Transgenic plants as vaccine production systems", <u>Trends in Biotechnology</u> , 13(9):388-392 (September 1995) (XP001013024)
		Mason, H. et al., "Immunogenicity of Candidate Vaccine Antigens Produced in Transgenic Plants", (Abstract) 4th International Congress of Plant Molecular Biology (June 1994)
		McAdam, K.P.W.J., <u>New Strategies in Parasitology</u> (1989), table of contents only
		McCabe, D.E., et al., "Stable Transformation of Soybean (Glycine Max) by Particle Acceleration", <u>Bio/Technology</u> 6:923-926 (1988)
		McCormick, S. et al., "Leaf disc transformation of cultivated tomato (<i>L. esculentum</i>) using <i>Agrobacterium tumefaciens</i> ", <u>Plant Cell Reports</u> 5:81-84 (1986)
		Melnick, J.L., "Virus Vaccines: Principles and Prospects", <u>Bulletin of the World Health Organization</u> , 67(2):105-112 (1989)
		Mitchell, G.F., "Glutathione S-transferases-Potential Components of Anti-schistosome Vaccines?", <u>Parasitology Today</u> 5:34-37 (1989)
		Miyanoohara, et al., "Expression of Hepatitis B Surface Antigen Gene in Yeast", <u>Proc. Nat'l Acad. Sci. USA</u> 80:105 (1983)
↓		
/CKW/		Moffat, A.S. "Genetically Engineered Plants Point Toward Edible Vaccines", <u>Genetic Engineering News</u> , L3(12):1, 19 (June 15, 1993)

/Cathy Worley/

08/06/2007

Section 2. Form PTO - 1449 (M dified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))	ATTY. DOCKET NO. P00245USE	SERIAL NO. (cont. f 09/598,908)
	APPLICANTS ARNTZEN, ET AL.	
	FILING DATE	GROUP 1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Moffat, A.S., "Exploring Transgenic Plants as a New Vaccine Source", <u>Science</u> 268:658-660 (1995)
		Murray, P.K., "Molecular vaccines against animal parasites", <u>Vaccines</u> , 7:291-299 (1989)
		Neuhaus, G., et al., "Transgenic rapeseed plants obtained by the microinjection of DNA into microspore-derived embryoids", <u>Theor. Appl. Genet.</u> 75:30-36 (1987)
		Neuhaus, G., et al., "Plant transformation by microinjection techniques", <u>Physiologia Plantarum</u> , 79:213-217, Copenhagen (1990)
		Ohta, Yasuo, "High-efficiency genetic transformation of maize by a mixture of pollen and exogenous DNA", <u>Proc. Nat'l. Acad. Sci. USA</u> , 83:715-719 (1986)
		Ohtani, T., et al., "Normal and Lysine-Containing Zeins are Unstable in Transgenic Tobacco Seeds", <u>Plant Molecular Biology</u> , 16:117-128 (1991)
		Pasek, M., et al., "Hepatitis B virus genes and their expression in E. coli", <u>Nature</u> 282:575-579 (1979)
		Paszkowski, J., et al., "Cell Culture and Somatic Cell Genetics of Plants", Vol. 6, <u>Molecular Biology of Plant Nuclear Genes</u> pp. 52-68 (1989)
		Paul, P.S. et al, "Immunogens of rotaviruses", <u>Veterinary Microbiology</u> , 37:299-317 (1993)
		Peng, Y.W., et al., "Organization and development of horizontal cells in the goldfish retina, I: The use of monoclonal antibody AT101", <u>Visual Neuroscience</u> , 6:357-370 (1991)
↓		
/CKW/		Persing, D.H., et al., "A frameshift mutation in the pre-S region of the human hepatitis B virus genome allows production of surface-antigen particles but eliminates binding to polymerized albumin", <u>Proc. Nat'l. Acad. Sci. USA</u> 82:3440-3444 (1985)

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(cont. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (including Author, Title, Date**, Relevant Pages, Place of Publication***)

/CKW/		Porta, C. et al., "Cowpea Mosaic Virus as an Efficient Epitope Presentation System", (Abstract) 4th International Congress of Plant Molecular Biology (June 1994)
		Porta, C. et al., "Development of Cowpea Mosaic Virus as a High-Yielding System for the Presentation of Foreign Peptides", <i>Virology</i> 202:949-955 (August 1994) (XP002024036)
		Potrykus, I., "Gene Transfer to Plants: Assessment of Published Approaches and Results", <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> 42:205-225 (1991)
		Rainerl, D.M., et al., "Agrobacterium-Mediated Transformation of Rice (<i>Oryza Sativa</i> L.), <i>Bio/Technology</i> 8:33-38 (1990)
		Rasschaert, D. et al., "The Predicted Primary Structure of the Peplomer Protein E2 of the Porcine Coronavirus Transmissible Gastroenteritis Virus", <i>J. Gen. Virol.</i> 68:1883-1890 (1987)
		Rhodes, C.A., et al., "Genetically Transformed Maize Plants from Protoplasts", <i>Science</i> , 240:204-207 (1989)
		Richman, L.K., et al., "Enterically Induced Immunologic Tolerance, I. Induction of Suppressor T Lymphocytes by Intragastric Administration of Soluble Proteins", <i>J. Immunol.</i> 121:2429-2434 (1978)
		Rocha-Sosa, et al., "Both Developmental and Metabolic Signals Activate the Promoter of a Class I Patatin Gene", <i>The EMBO Journal</i> , 8(1):23-29 (1989)
		Saif, L.J., "Coronavirus immunogens", <i>Veterinary Microbiology</i> , 37:285-297 (1993) (XP002024044)
/CKW/		Salfeld, J., et al., "Antigenic Determinants and Functional Domains in Core Antigen and e Antigen from Hepatitis B Virus", <i>J. Virology</i> , 63(2):798-808 (1989)

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00245USE

SERIAL NO.
(cont. f
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

/CKW/		Sanchez, C.M., et al, "Genetic Evolution and Tropism of Transmissible Gastroenteritis Coronaviruses", <u>Virology</u> , 190:92-105 (1992).
		Sanford, J.C., "Biostic Plant Transformation", <u>Physiol. Plant</u> , 79:206-209 (1990)
		Schodel, F., et al, "Recombinant HBV Core Particles Carrying Immunodominant B-cell Epitopes of the HBV Pre-S2 Region", <u>Vaccines 90</u> , published by Cold Spring Harbor Laboratory Press (Cold Spring Harbor, NY), F. Brown, et al, eds. pp. 293-198 (1990)
		Schodel, F., et al, "Expression of Hepatitis B Virus Antigens in Attenuated Salmonellae for Oral Immunization", <u>Res. Microbiol.</u> , 141:831-837 (1990) (abstract)
		Schodel, F., et al, "Expression of Hepatitis B Virus Core T-cell Epitopes and pre-S2 B-cell Epitope as Fusion Protein with LT-B in Salmonella for Oral Vaccine", <u>Progress in Hepatitis B Immunization</u> , published by Colloque INSERM/John Libbey Eurotext Ltd., Coursaget, P., et al, eds., 43-50 (1990)
		Service, R.F., "Triggering the First Line of Defense", <u>Science</u> 265:1522-1524 (1995)
		Shanin, E.A., "Gene Transfer System for Potato", <u>Hort. Science</u> , 21:1199-1201 (1986)
		Shimamoto, K. et al, "Fertile transgenic rice plants regenerated from transformed protoplasts", <u>Nature</u> 338:274-276 (1989)
		Thanavala, Y., et al, "Immunogenicity of transgenic plant-derived hepatitis B surface antigen", <u>Proc. Natl. Acad. Sci. USA</u> , 92:3358-3361 (April 1995) XP002024002)
		Toriyami, K. et al, "Transgenic rice plants after direct gene transfer into protoplasts", <u>BioTechnology</u> 6:1072-1074 (1988)
↓		
/CKW/		Touchette, N., "AIDS Research and Mucosal Immune Studies Begin to Get", <u>The Journal of NIH Research</u> , 3:65-70 (1991)

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00246USE

SERIAL NO.
(cont. of
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Umbeck, P. et al., "Genetically Transformed Cotton (<i>Gossypium Hirsutum</i> L.) Plants", <i>Bio/Technology</i> 5:263-266 (1987)
		Usha, R. et al., "Expression of an Animal Virus Antigenic Site on the Surface of a Plant Virus Particle", <i>Virology</i> , 197:366-374 (1993)
		Valenzuela, P. et al., "Synthesis and assembly of hepatitis B virus surface antigen particles in yeast", <i>Nature</i> 298:347-350 (1982)
		Vaughn, E. et al., "Sequence Comparison of Porcine Respiratory Coronavirus Isolates Reveals Heterogeneity in the S, 8, and 8-1 Genes", <i>J. Virology</i> 69:3176-3184 (May 1995)
		Watson, J.D., <i>Recombinant DNA: A Short Course</i> , Cold Spring Harbor Laboratory, Chapter 13, pp. 164-175
		Weber, J.L., "Plasmodium berghei: Cloning of the Circumsporozoite Protein Gene", <i>Exp. Parasitology</i> 63:295-300 (1987)
		Weising, K. et al., "Foreign Genes in Plants: Transfer, Structure, Expression, and Applications", <i>Annu. Rev. Genet.</i> , 22:421-477 (1988)
		Wenzler, H.C., et al., "Analysis of a chimeric class-I patatin-GUS gene in transgenic potato plants: High-level expression in tubers and sucrose-inducible expression in cultured leaf and stem explants", <i>Plant Mol. Biol.</i> 12:41-50 (1989)
		White, F.F., Chapter 1, "Vectors for Gene Transfer in Higher Plants", <i>Plant Biotechnology</i> , pp. 3-34 (1989)
		Wu, R., Chapter 2, "Methods for Transforming Plant Cells", <i>Plant Biotechnology</i> , 35-51 (1989)
↓		
/CKW/		Zhen, Fang Fu et al., "Oral vaccination of racoons (<i>Procyon lotor</i>) with baculovirus-expressed rabies virus glycoprotein", <i>Vaccine</i> , Vol. 11, Issue 9 (1993)

/Cathy Worley/

08/06/2007

Section 2. Form PTO-1449 (Modified)

**FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE**

STATEMENT BY APPLICANT
(Use several sheets if necessary)
(37 CFR 1.98(b))

ATTY. DOCKET NO.
P00246USE

SERIAL NO.
(c nt. f
09/593,908)

APPLICANTS
ARNTZEN, ET AL.

FILING DATE

GROUP
1641

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication***)**

/CKW/		Zhang, H.M. et al., "Transgenic rice plants produced by electroporation-mediated plasmid uptake into protoplasts", <i>Plant Cell Rep.</i> , 7:379-384 (1988)
/CKW/		Zhang, W., et al., "Efficient regeneration of transgenic plants from rice protoplasts and correctly regulated expression of the foreign gene in the plants", <i>Theor. Appl. Genet.</i> , 76:835-840 (1988)
/CKW/		Zhang, S. et al., "Boosted Mucosal Immune Responsiveness in the Intestine by Actively Transported Hexose", <i>Gastroenterol.</i> , Vol. 103, pp. 1162-1166 (1992)

EXAMINER: Initial-citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/Cathy Worley/

08/06/2007